

Webtable 2 Circulating 25-(OH)D3 concentration (standardised by month of blood collection) and the risk of cancers of the colorectum, colon, and rectum.

Pre-defined category cut-points (nmol/L)	Pre-defined categories of standardised circulating 25-(OH)D3 concentration					P for trend
	1	2	3 (reference)	4	5	
	<25.0	≥25.0 to <50.0	≥50.0 to <75.0	≥75.0 to <100.0	≥100.0	
Colorectum						
Mean (SD), Median (nmol/L)	17.9 (7.9), 21.4	39.9 (6.8), 40.9	61.6 (7.0), 60.9	85.1 (6.7), 83.9	124.5 (40.3), 114.8	
Number of cases/controls	45/32	470/394	490/516	164/207	79/99	
Matching Factors*	1.61 (0.98 to 2.66)	1.29 (1.07 to 1.55)	1.00	0.83 (0.65 to 1.05)	0.83 (0.59 to 1.16)	<0.001
Multivariate adjusted†	1.66 (0.99 to 2.80)	1.27 (1.04 to 1.54)	1.00	0.81 (0.63 to 1.04)	0.86 (0.60 to 1.21)	<0.001
Colon						
Mean (SD), median (nmol/L)	18.3 (7.8), 22.1	40.1 (7.0), 41.4	61.5 (7.0), 61.1	84.9 (6.7), 83.5	121.3 (30.1), 112.8	
Number of cases/controls	30/19	305/245	312/331	92/130	46/60	
Matching factors*	1.94 (1.01 to 3.71)	1.37 (1.08 to 1.74)	1.00	0.74 (0.54 to 1.01)	0.79 (0.59 to 1.22)	<0.001
Multivariate adjusted†	1.69 (0.85 to 3.37)	1.39 (1.08 to 1.78)	1.00	0.74 (0.53 to 1.03)	0.84 (0.53 to 1.32)	<0.001

	Pre-defined categories of standardised circulating 25-(OH)D3 concentration					P for trend
	1	2	3 (reference)	4	5	
Pre-defined category cut-points (nmol/L)	<25.0	≥25.0 to <50.0	≥50.0 to <75.0	≥75.0 to <100.0	≥100.0	
Rectum						
Mean (SD), median (nmol/L)	17.4 (8.3), 20.7	39.6 (6.4), 39.9	61.6 (7.2), 60.9	85.4 (6.7), 84.7	129.5 (52.4), 117.7	
Number of cases/controls	15/13	165/149	178/185	72/77	33/39	
Matching factors*	1.23 (0.55 to 2.74)	1.16 (0.85 to 1.57)	1.00	0.97 (0.66 to 1.41)	0.88 (0.51 to 1.49)	0.195
Multivariate adjusted†	1.74 (0.73 to 4.18)	1.17 (0.83 to 1.64)	1.00	0.86 (0.57 to 1.29)	0.91 (0.50 to 1.65)	0.089

Values are incidence rate ratio (95% confidence interval).

*Model based on matching factors only.

†Model based on matching factors plus further adjustments for smoking status/duration/intensity, body mass index, total physical activity, education level, total dietary energy consumption, and intake of total fruits, vegetables, meats/meat products, and alcohol. Circulating 25-(OH)D3 concentrations were standardised by month of blood collection as follows: residuals derived from a simple regression model fitted to circulating 25-(OH)D3 concentration by month of blood collection were added to the overall mean circulating 25-(OH)D3 values. Values for mean and median are based on control participants only.